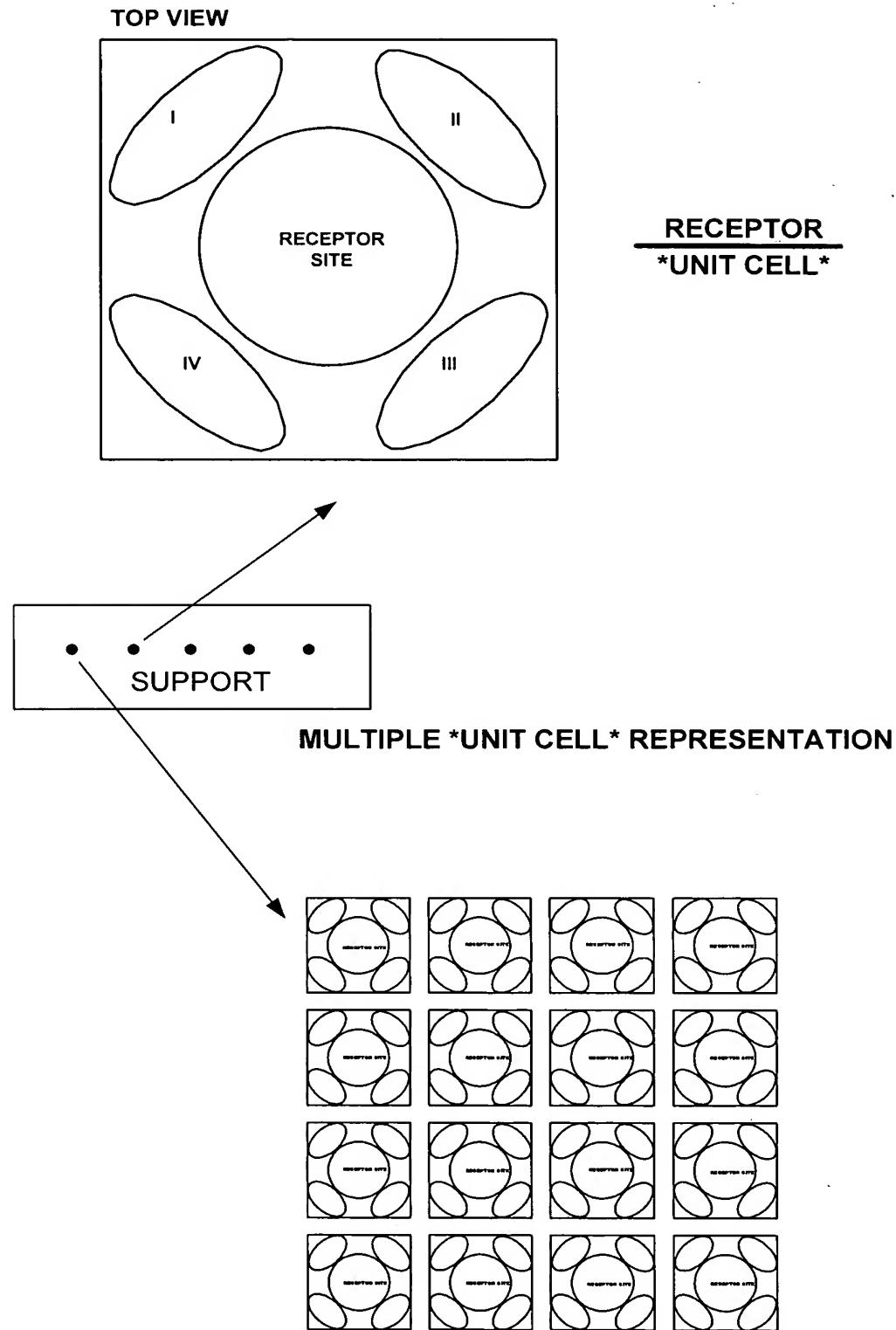


**FIG.1**



2D TOP VIEW

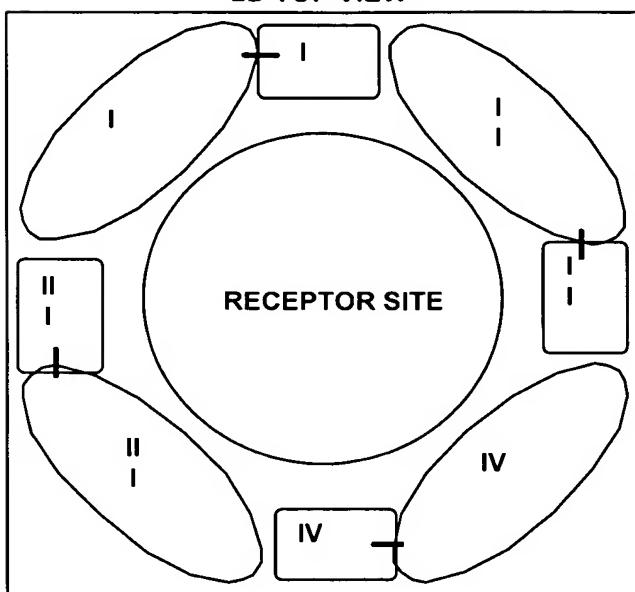
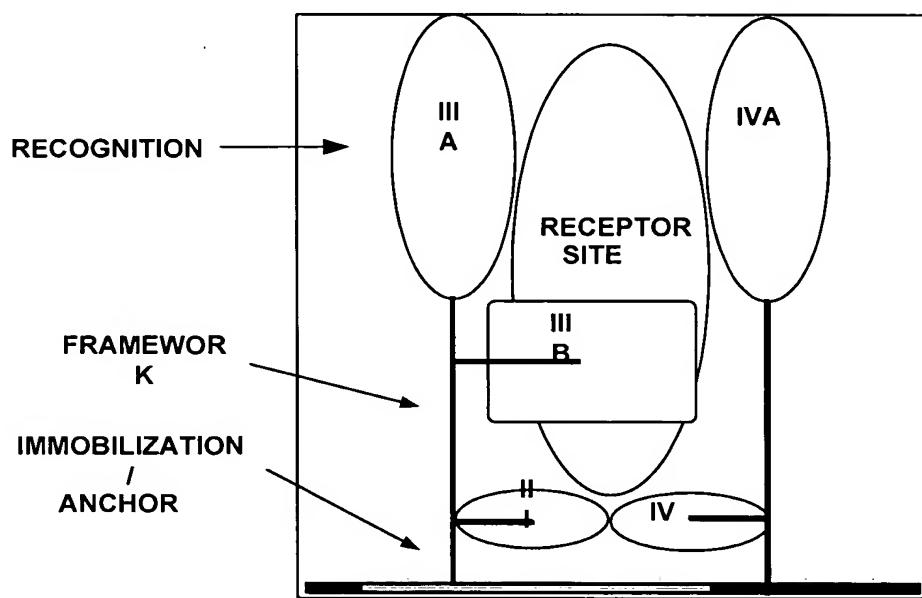
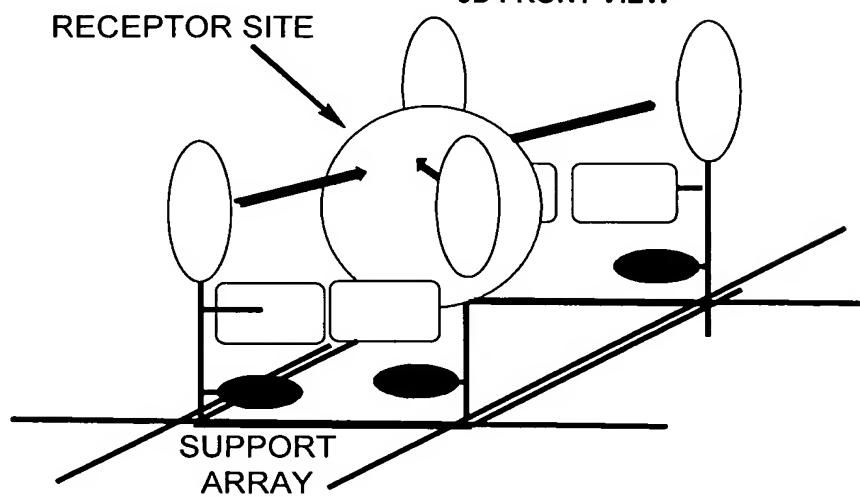


FIG.2

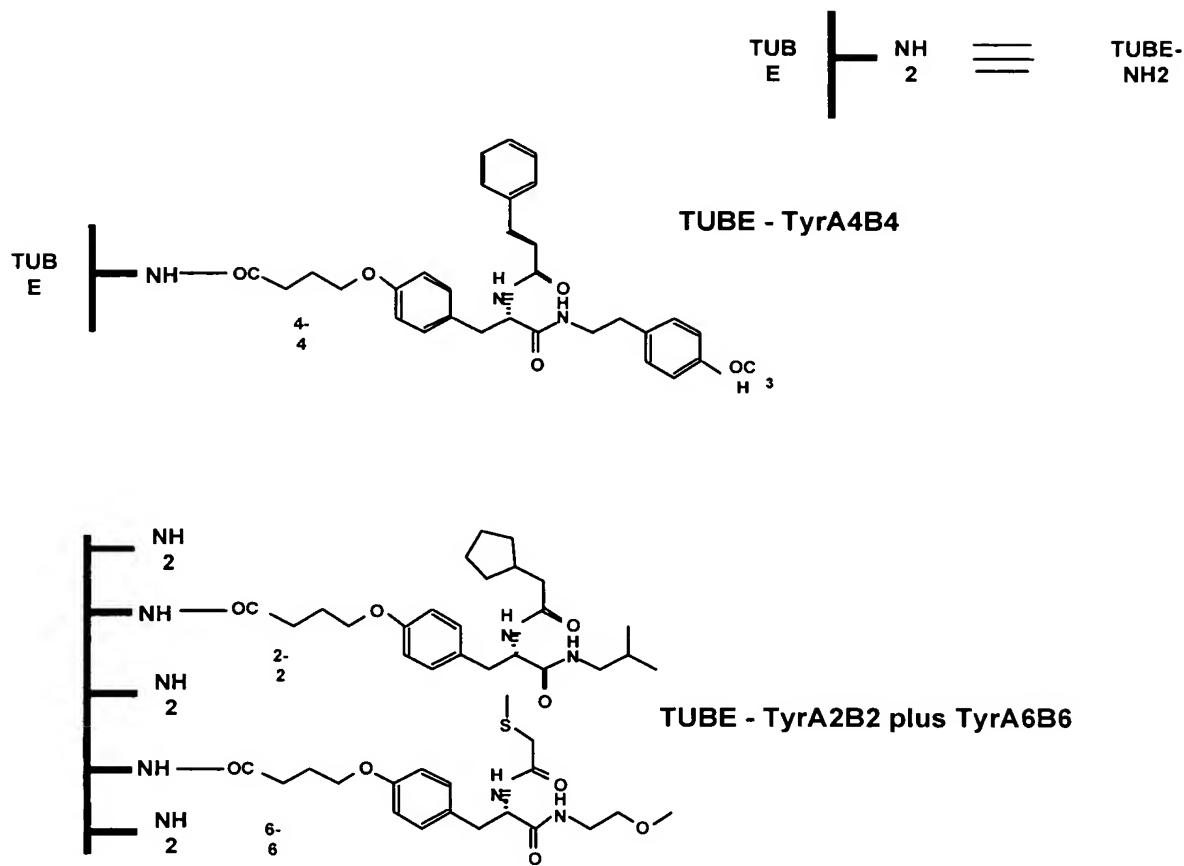
2D SIDE VIEW



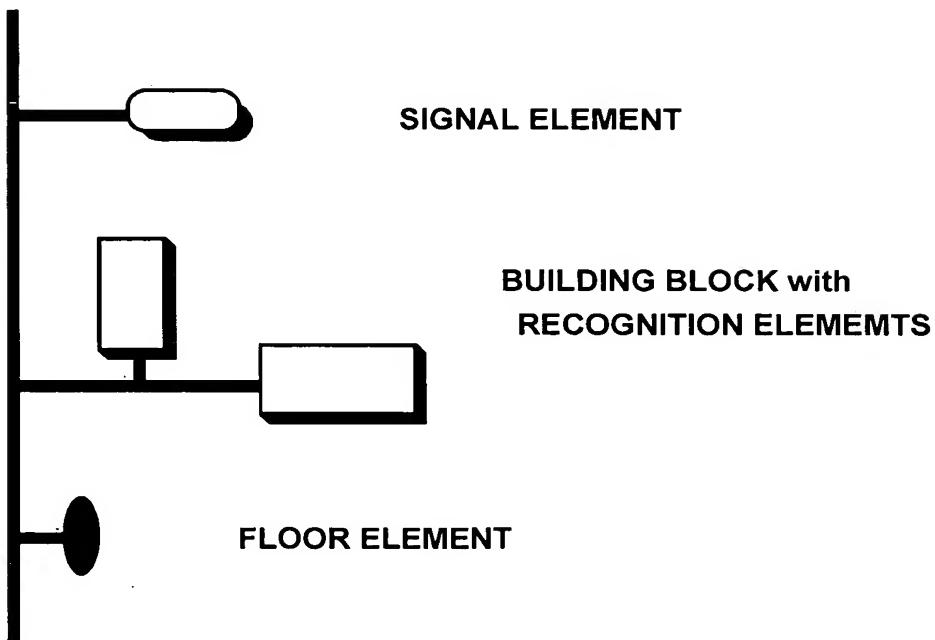
3D FRONT VIEW



## FIG.3A

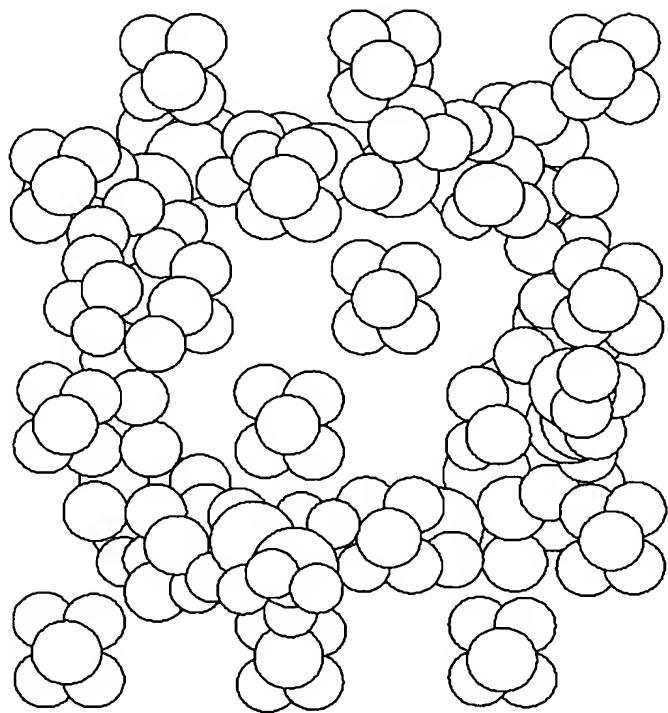


## FIG.3B



Inventor: CARLSON  
Docket No.: 14095.1USC6  
Title: ARTIFICIAL RECEPTORS INCLUDING AMINO ACID DERIVED BUILDING  
BLOCKS AND METHODS OF MAKING AND USING THEM  
Attorney Name: MARK T. SKOOG  
Phone No.: (612) 371-5311  
Sheet 5 of 26

FIG.4



**FIG.5**

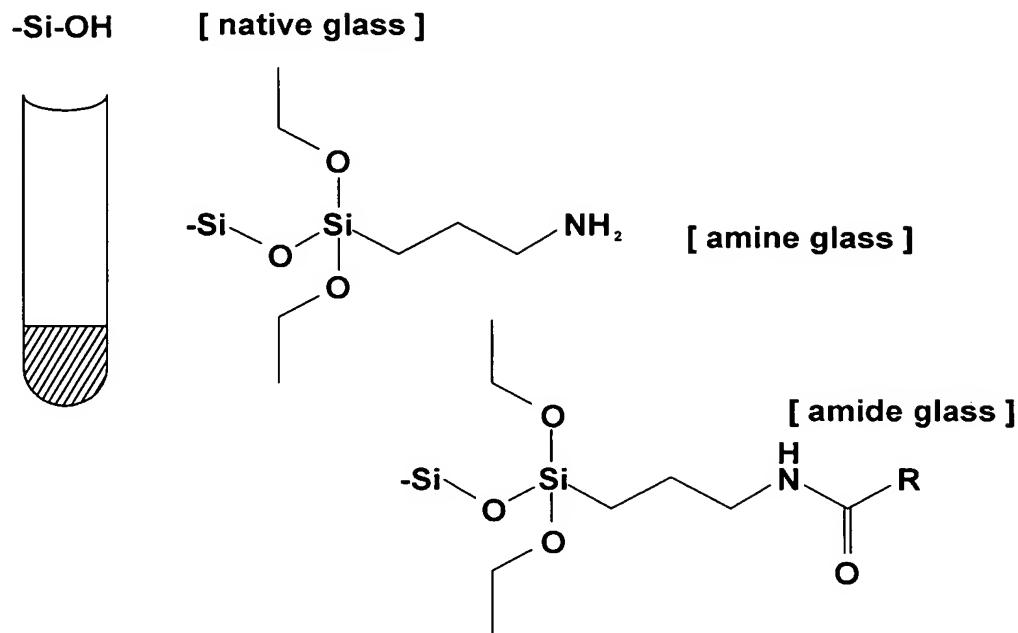
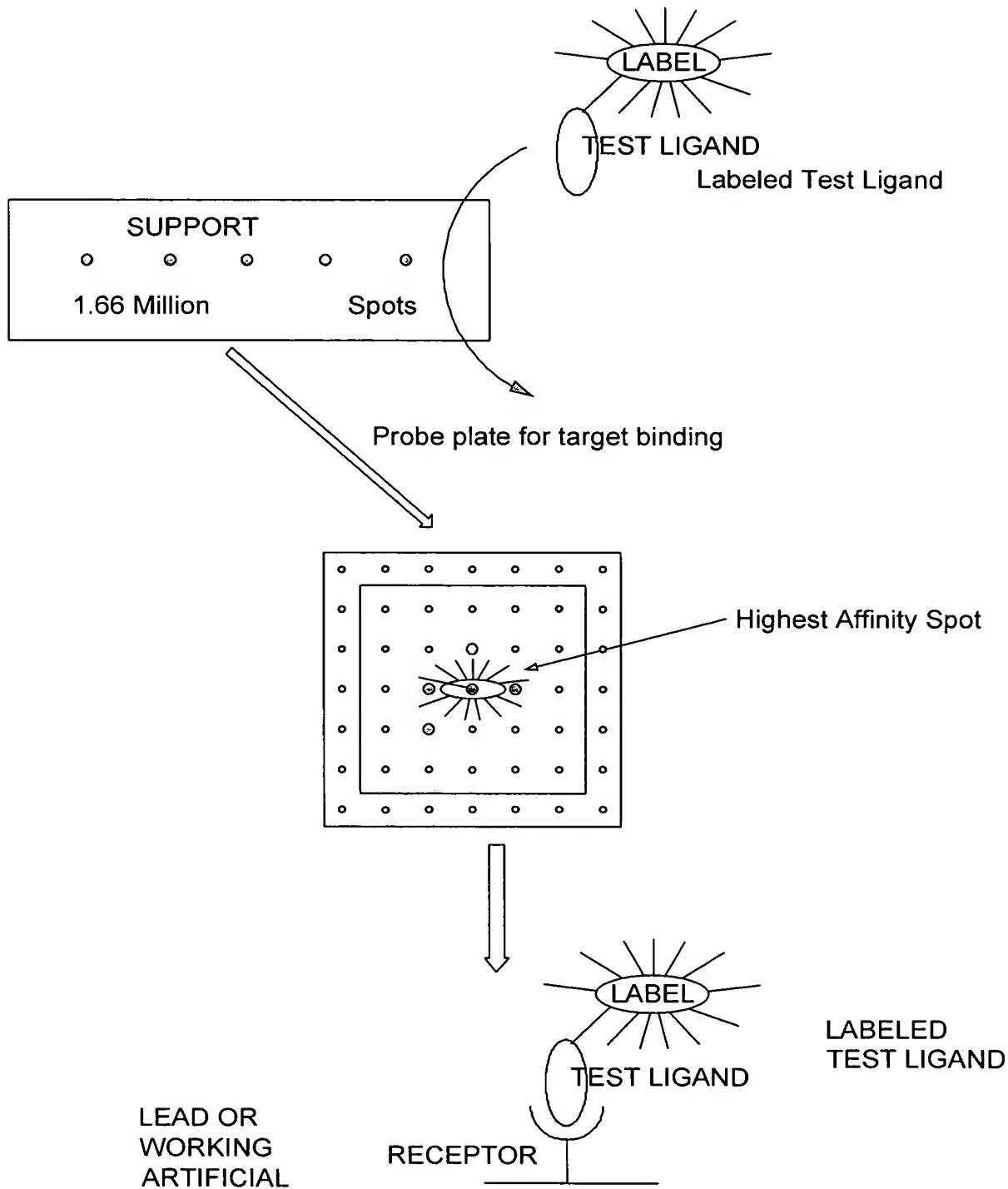
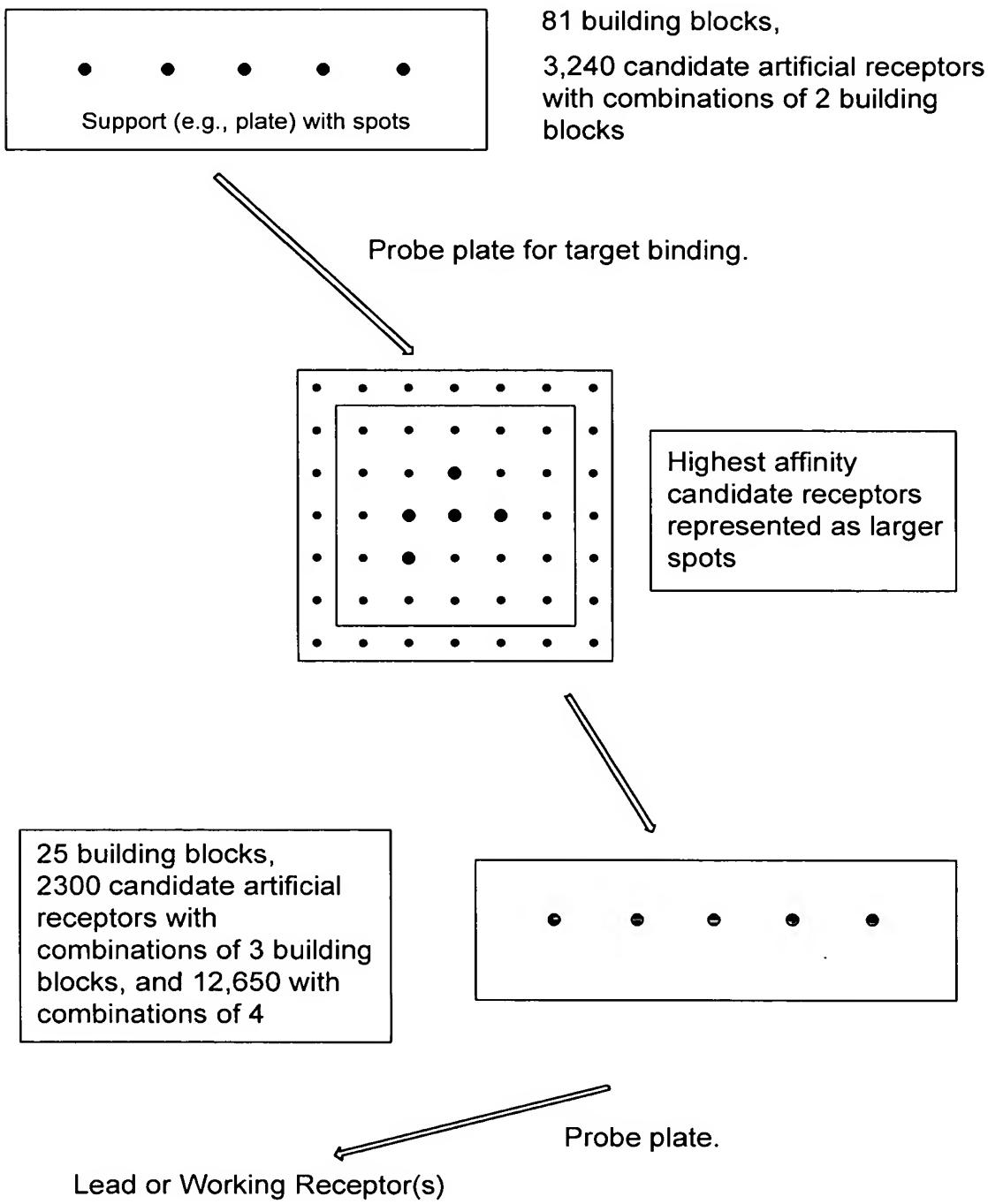


FIG.6

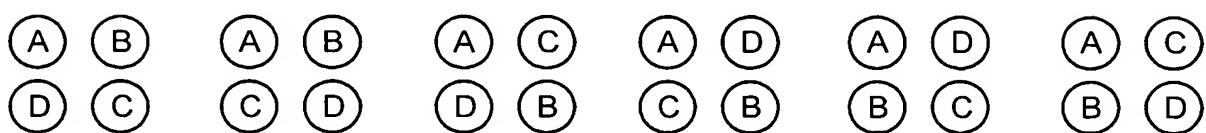


**FIG. 7**

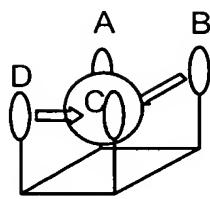


## FIG.8

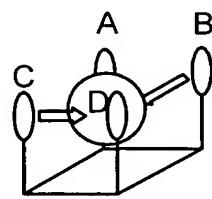
6 POSITIONAL ISOMERS OF 4 BUILDING BLOCKS AT VERTICES OF A QUADRILATERAL



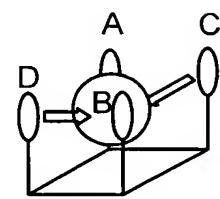
POSITIONAL ISOMERS ON A SCAFFOLD



ISOMER "1"

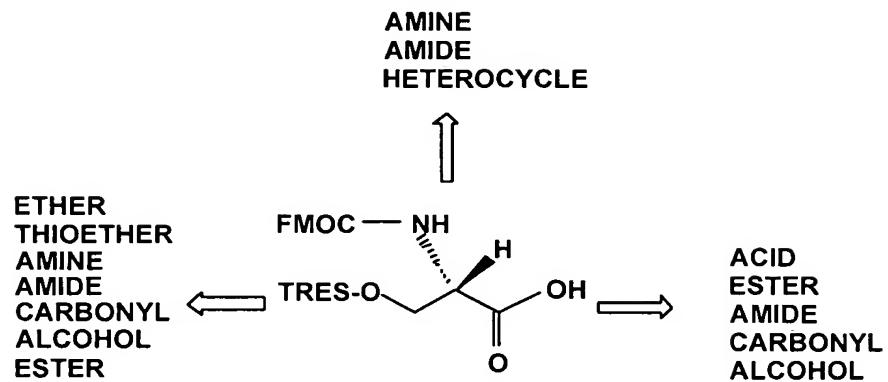


ISOMER "2"

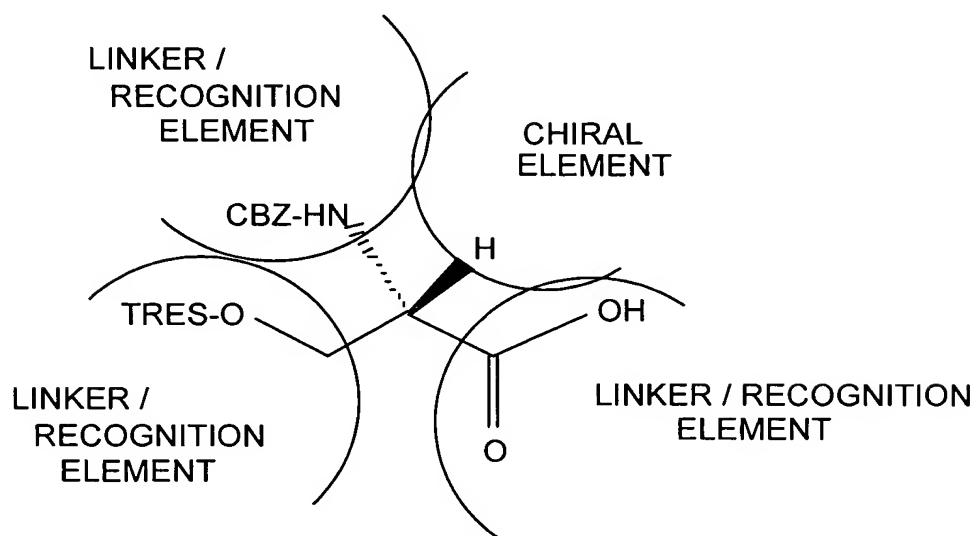


ISOMER "3"

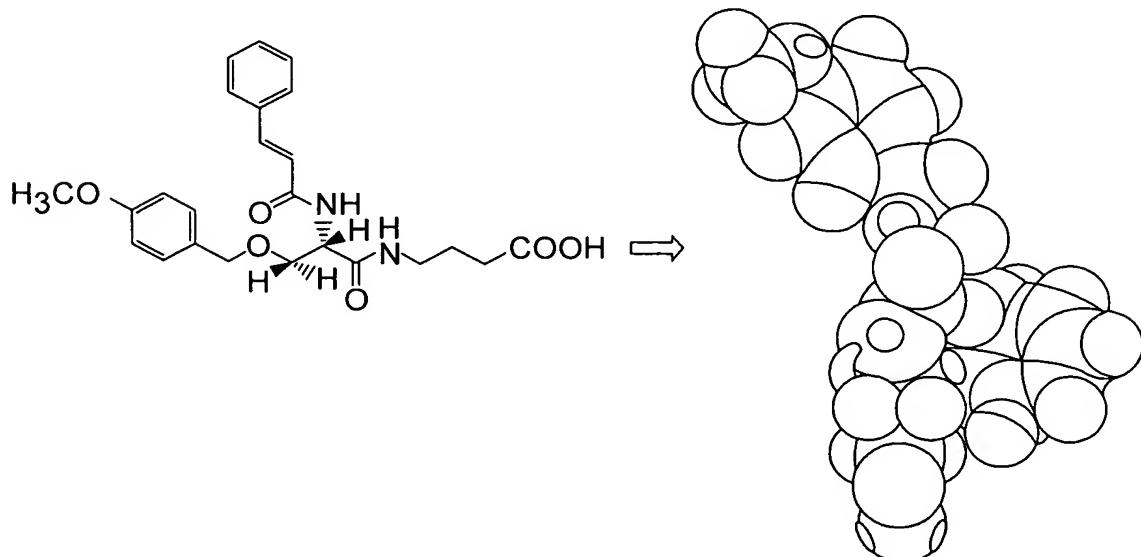
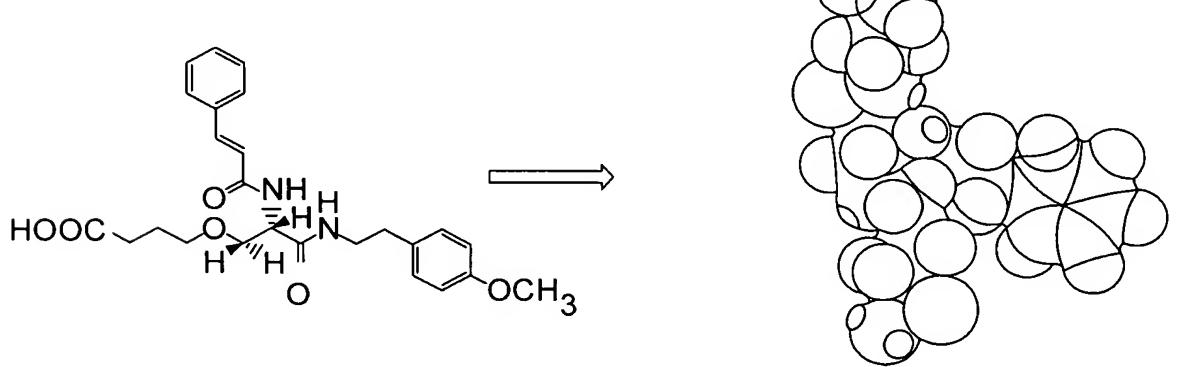
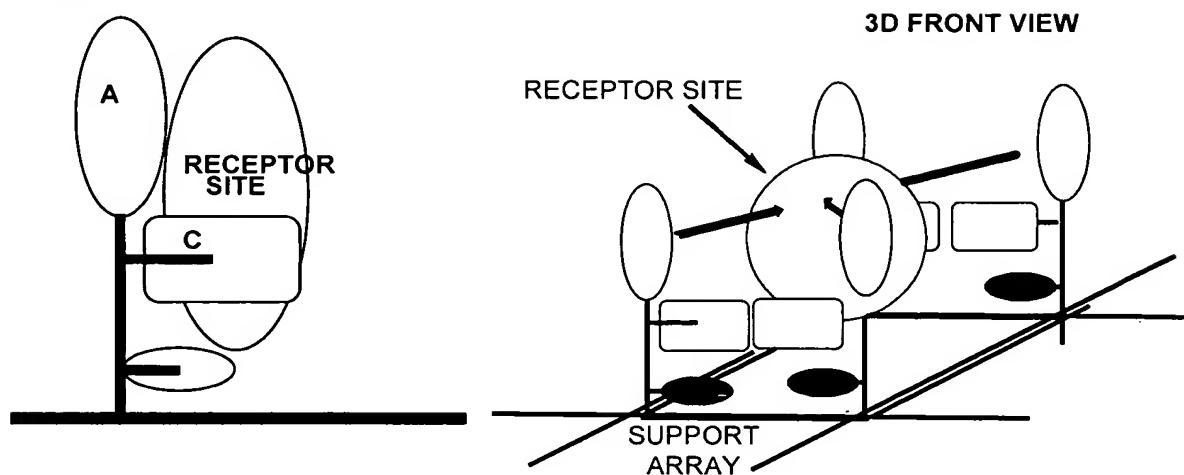
**FIG.9**



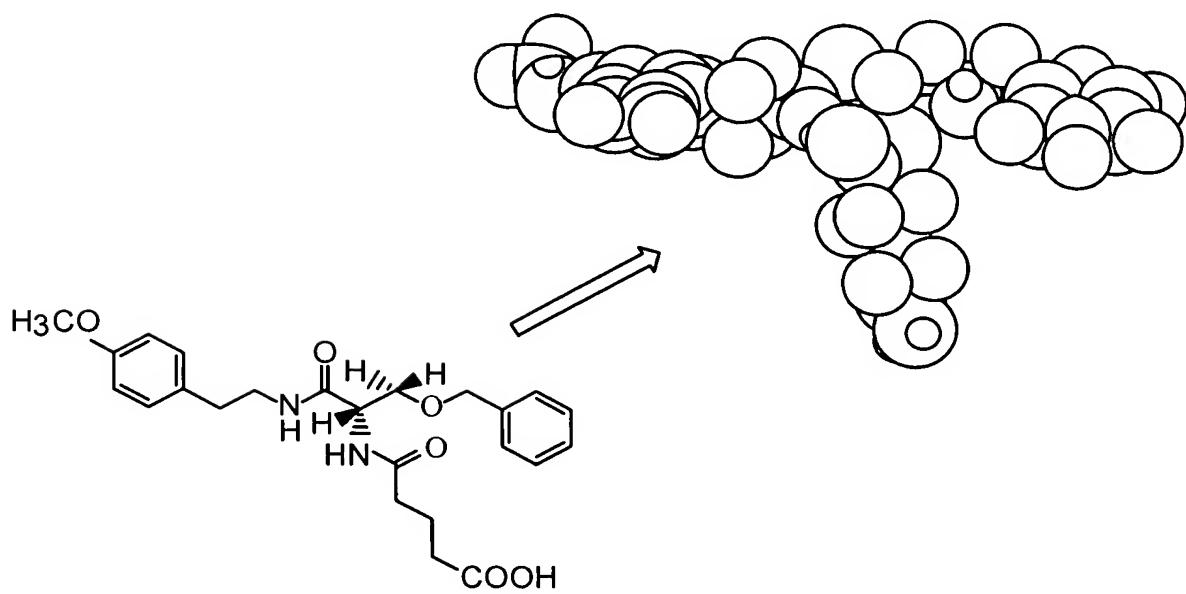
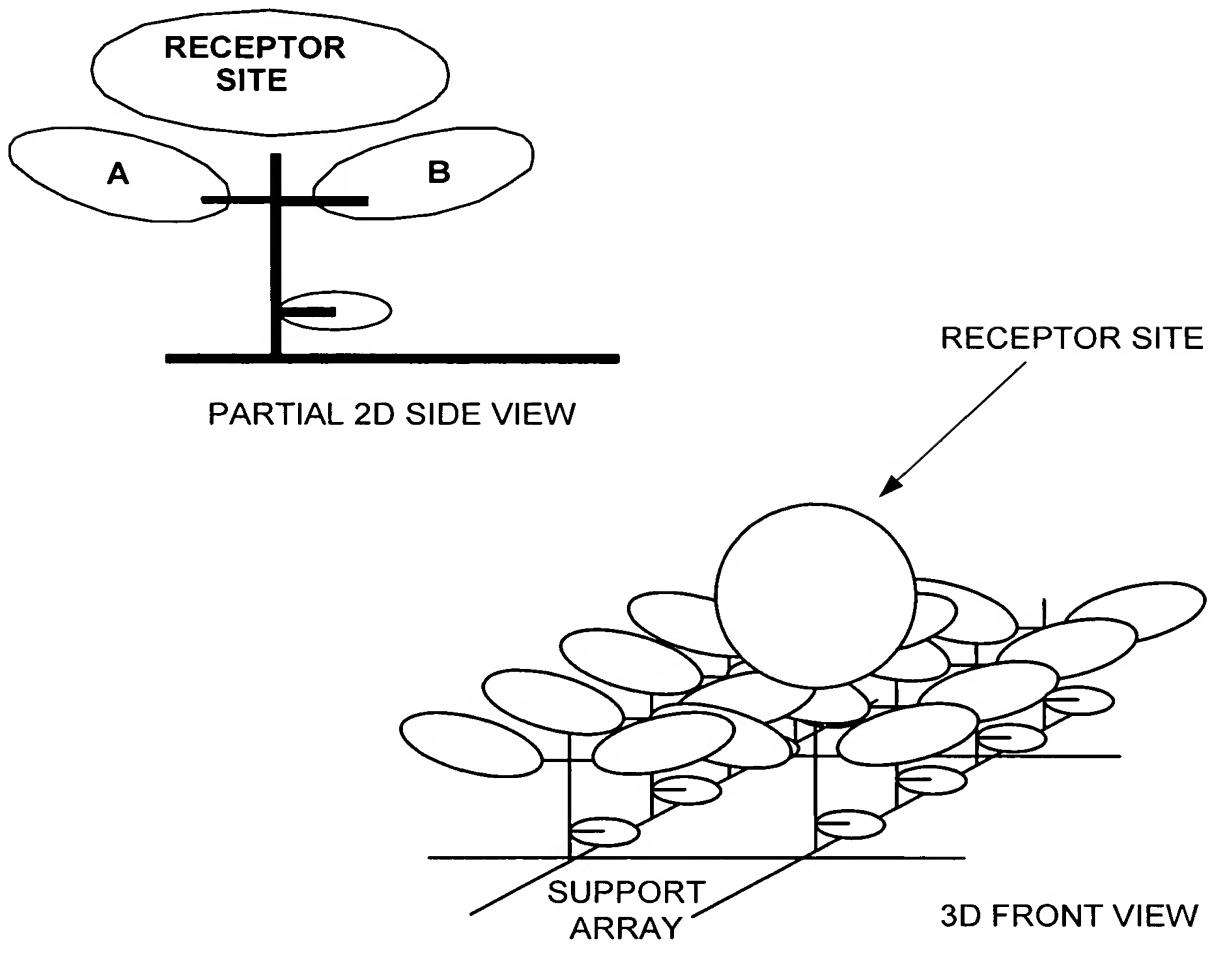
**FIG.10**



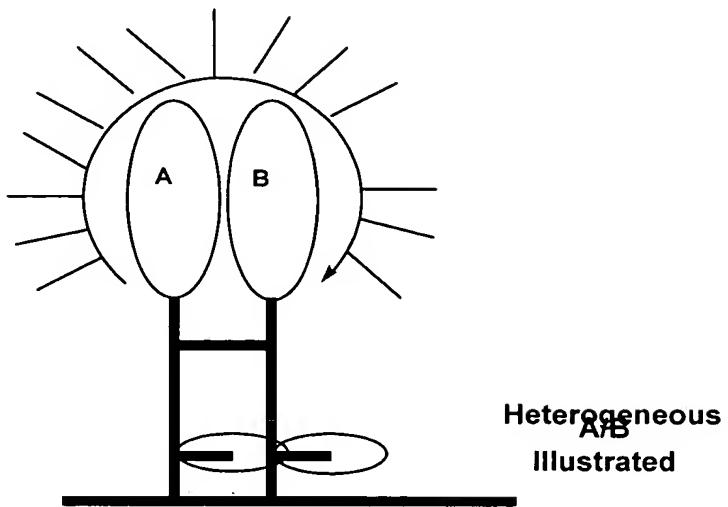
**FIG.11**



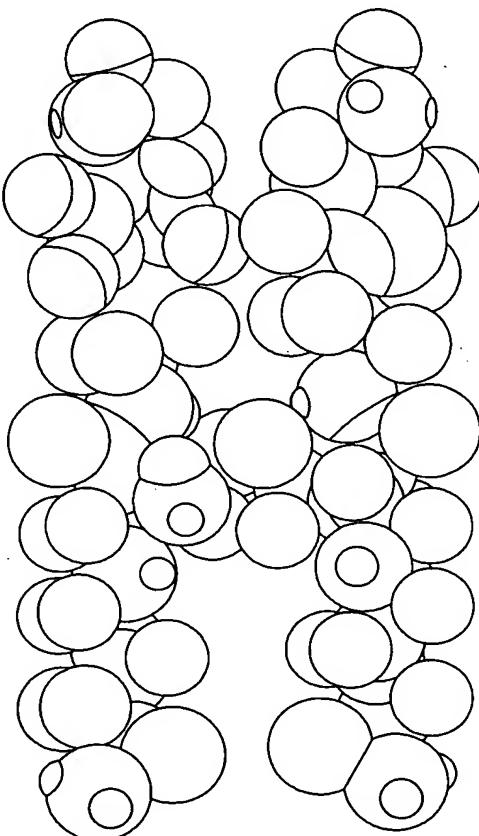
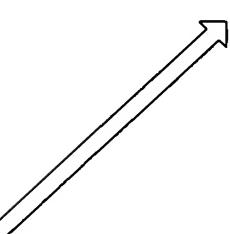
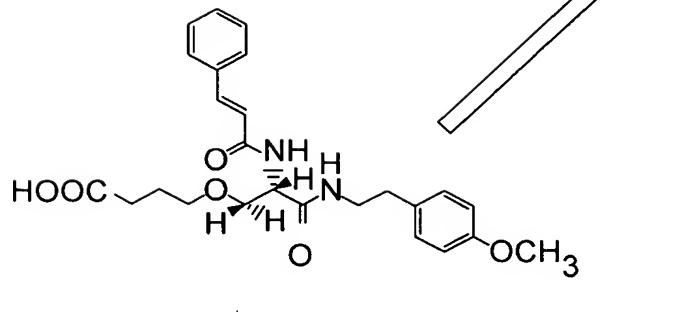
**FIG.12**



**FIG.13**



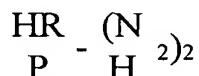
**Heterogeneous AA  
Illustrated**



## FIG.14

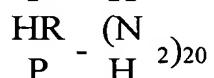
Formula

H1:



Formula

H2:



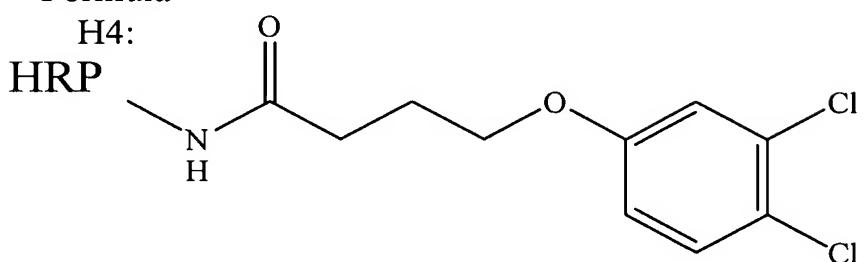
Formula

H3:

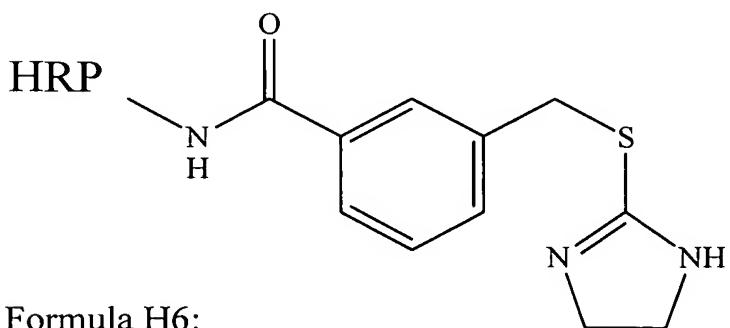


Formula

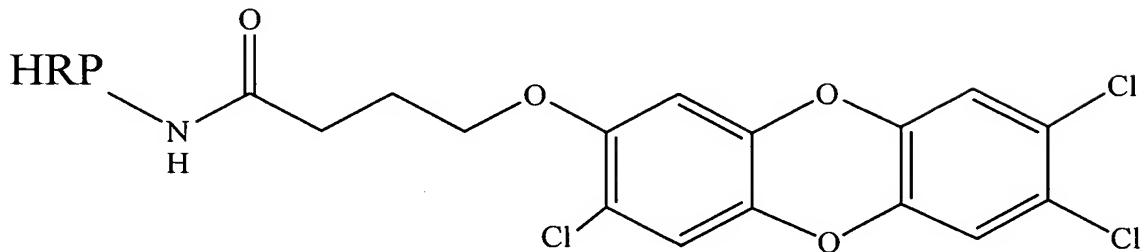
H4:



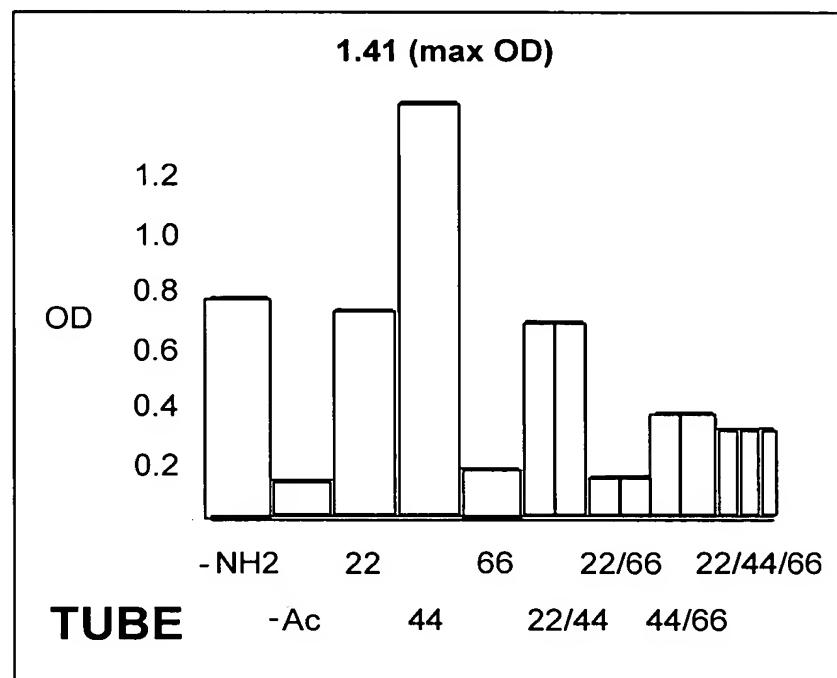
Formula H5:



Formula H6:



**FIG.15A**



**FIG.15B**

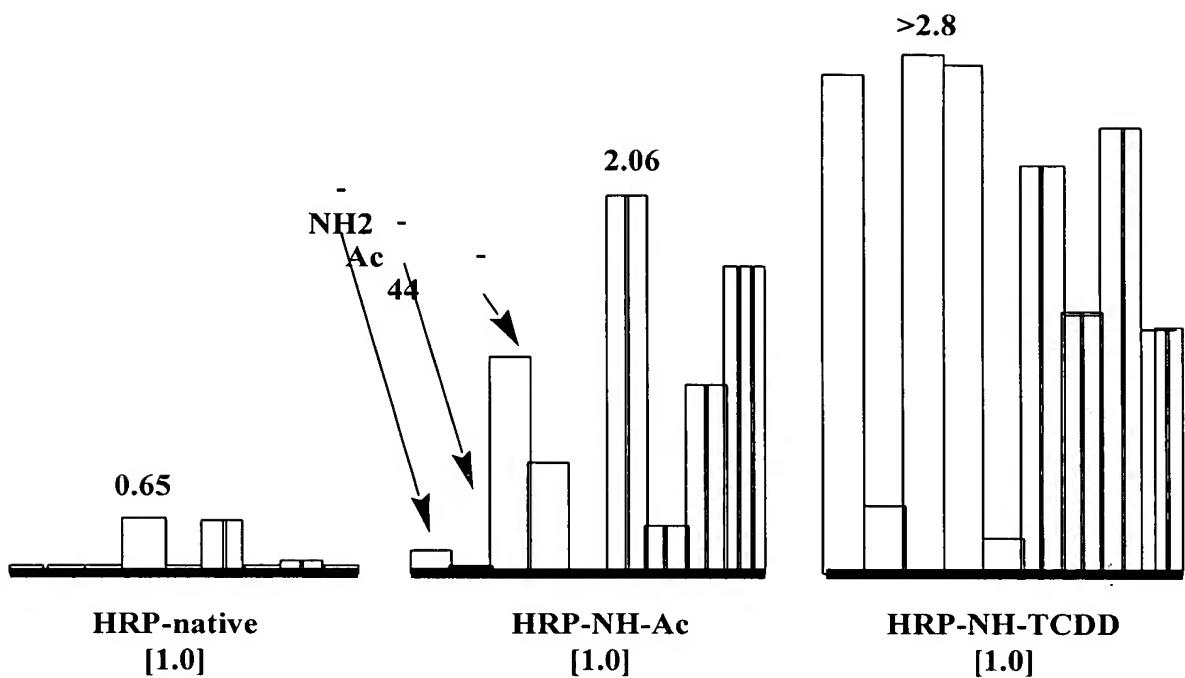
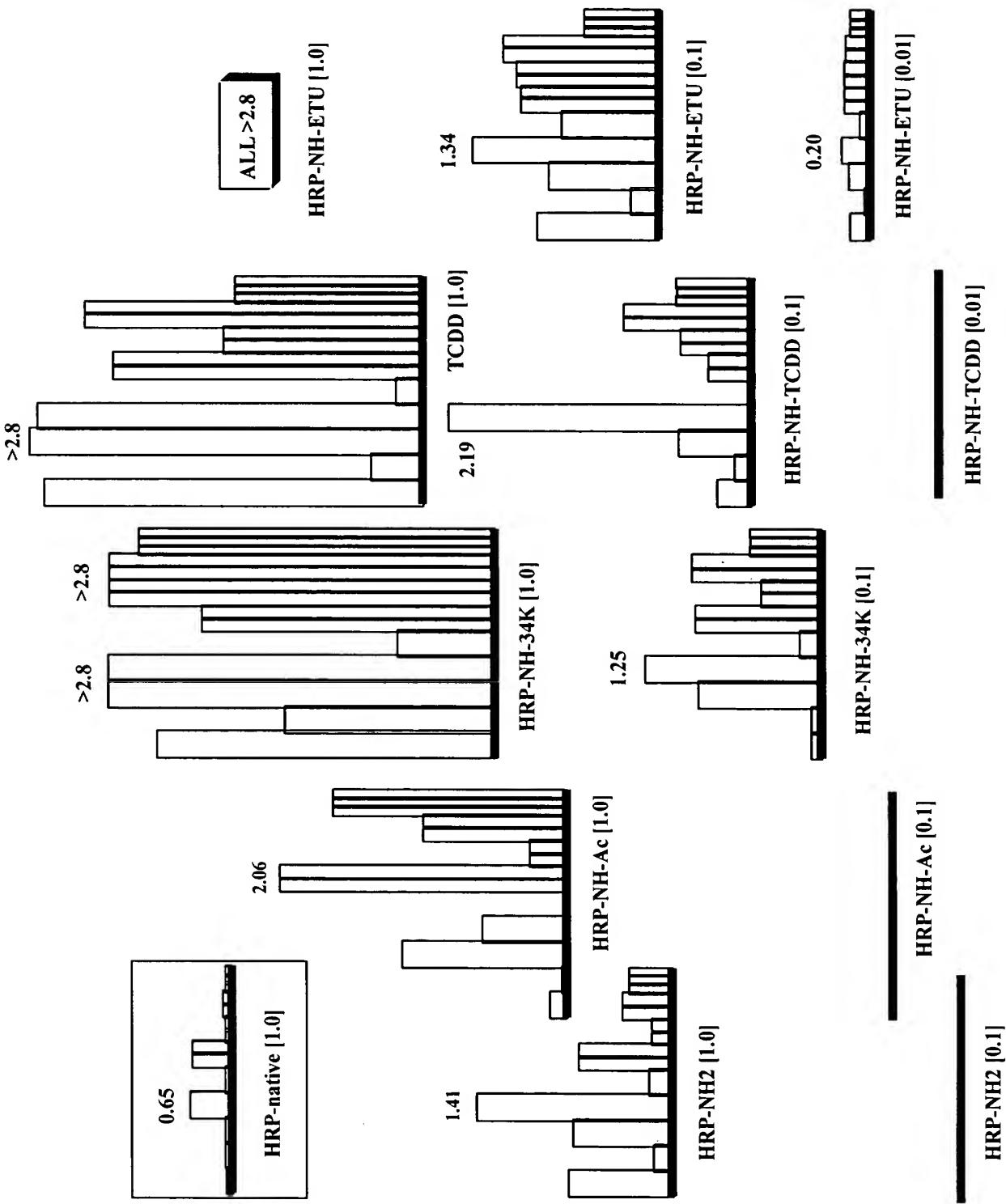
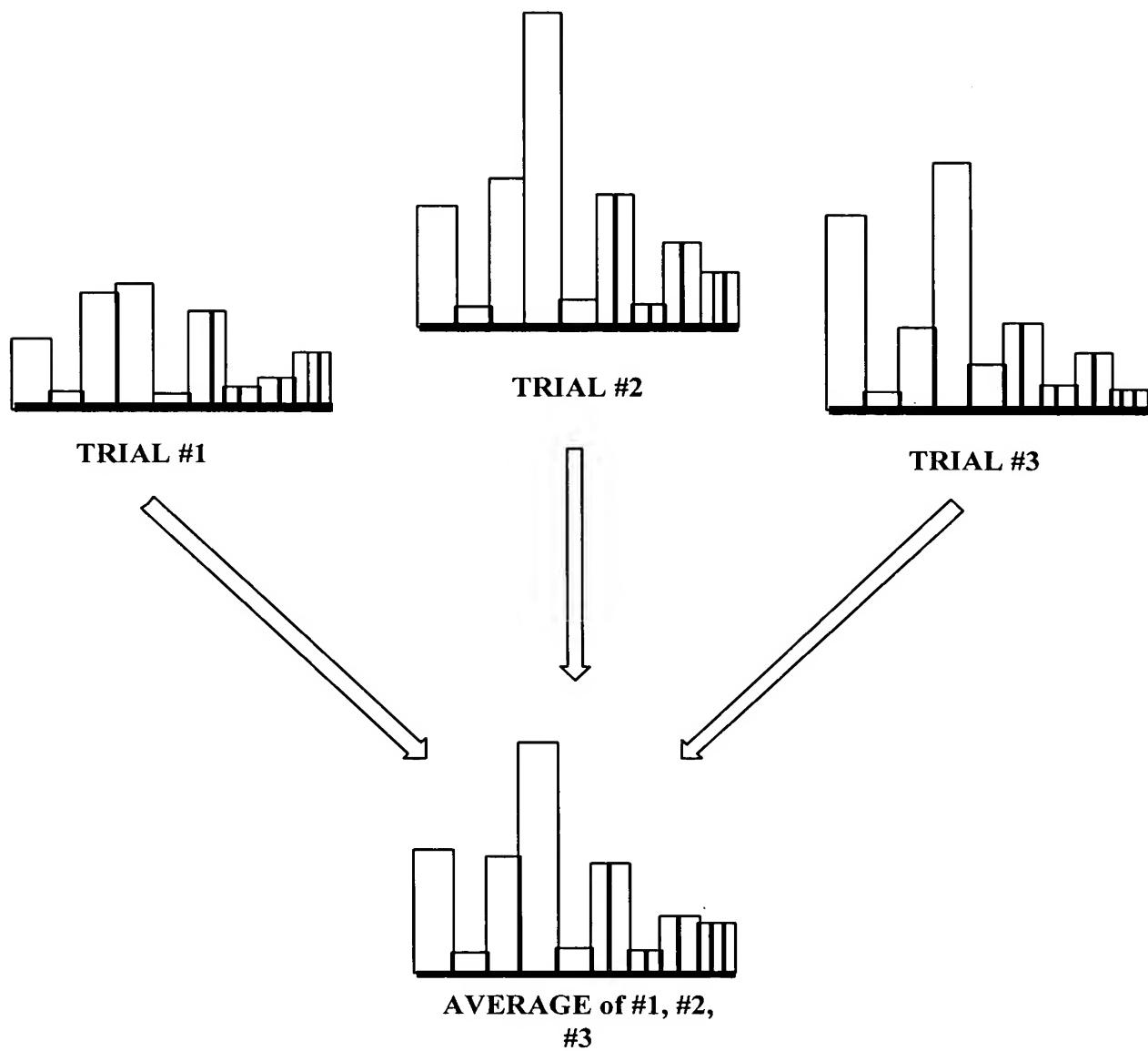


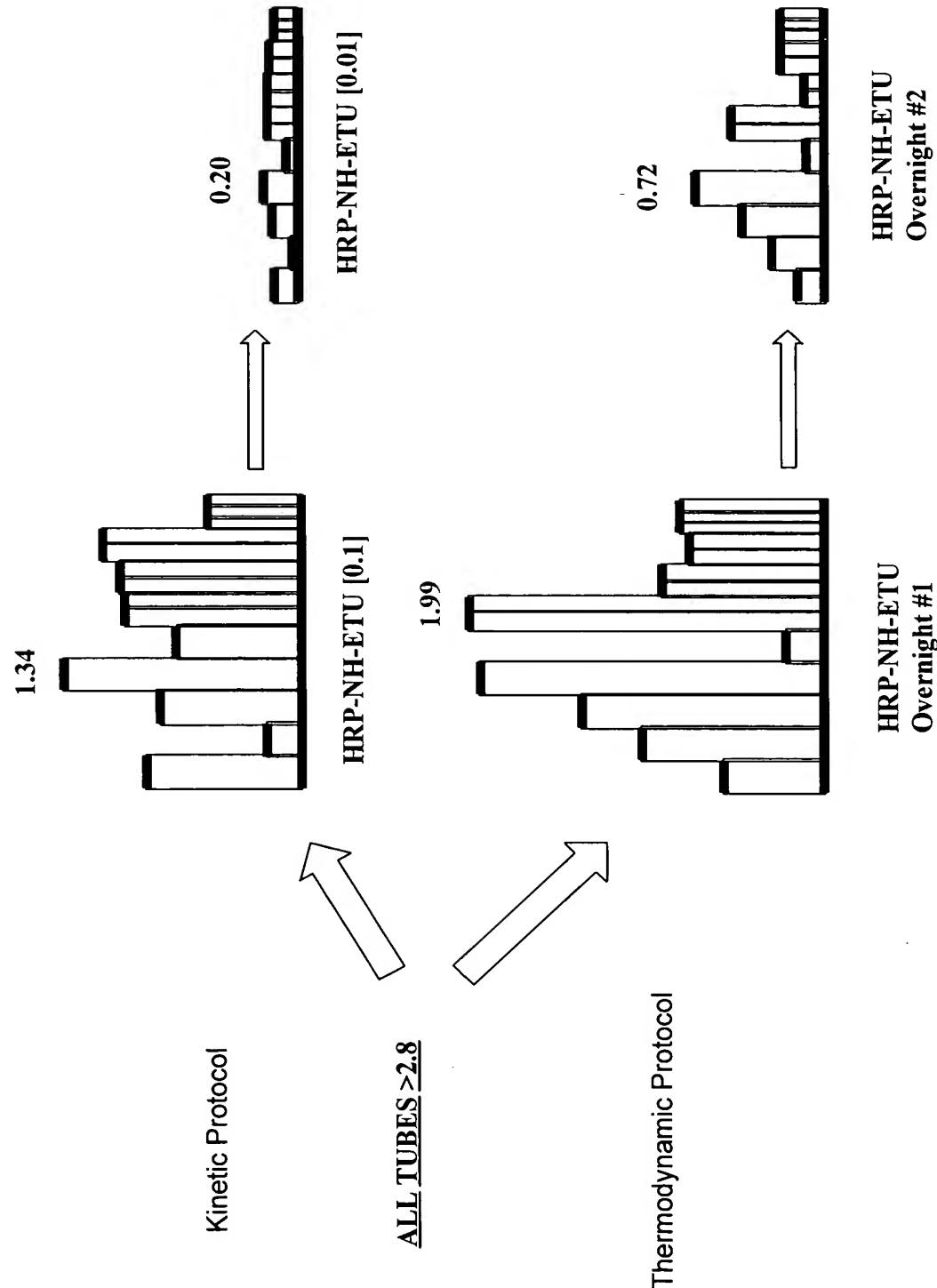
FIG. 17



**FIG.16**



**FIG. 18**



**FIG.19**

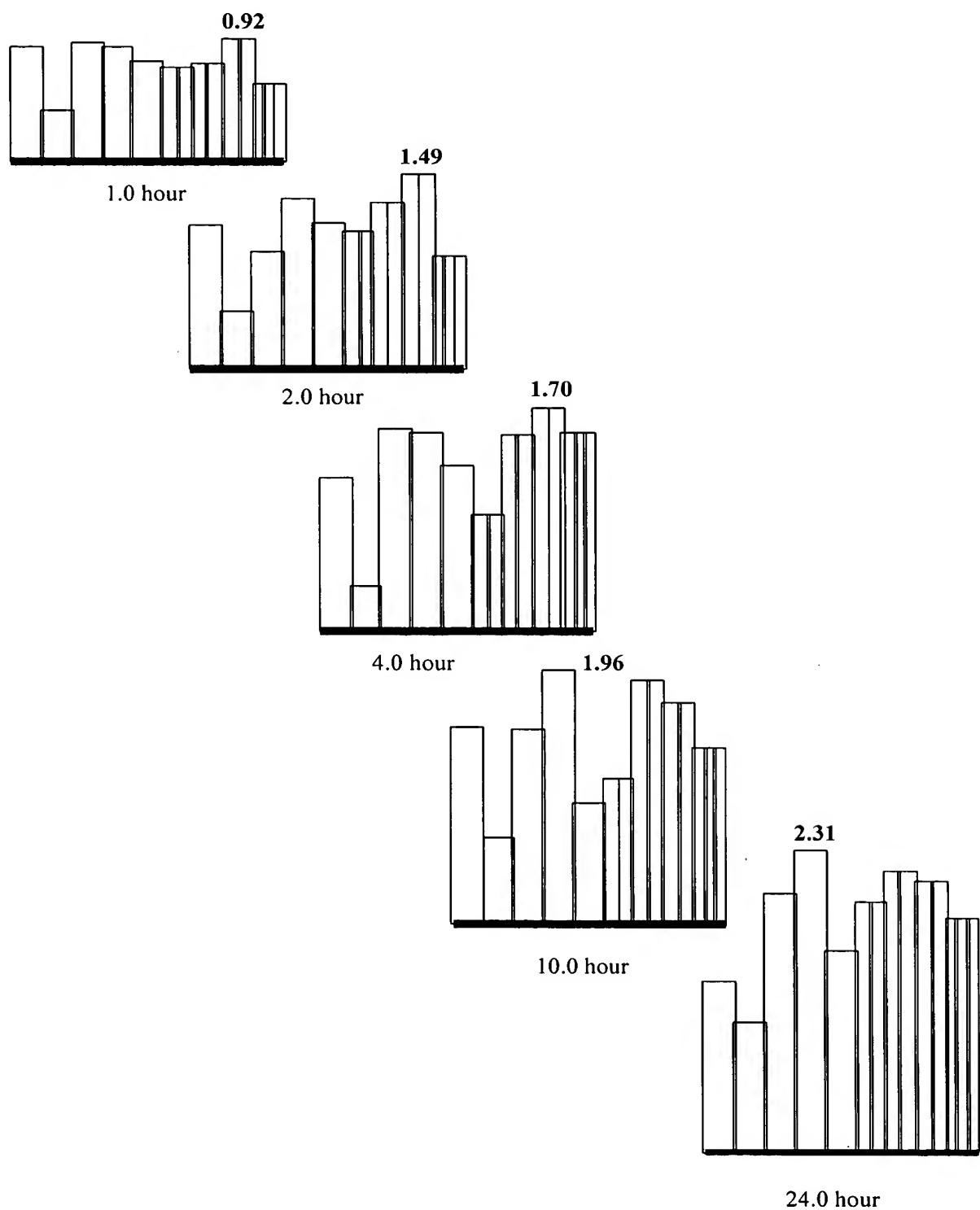
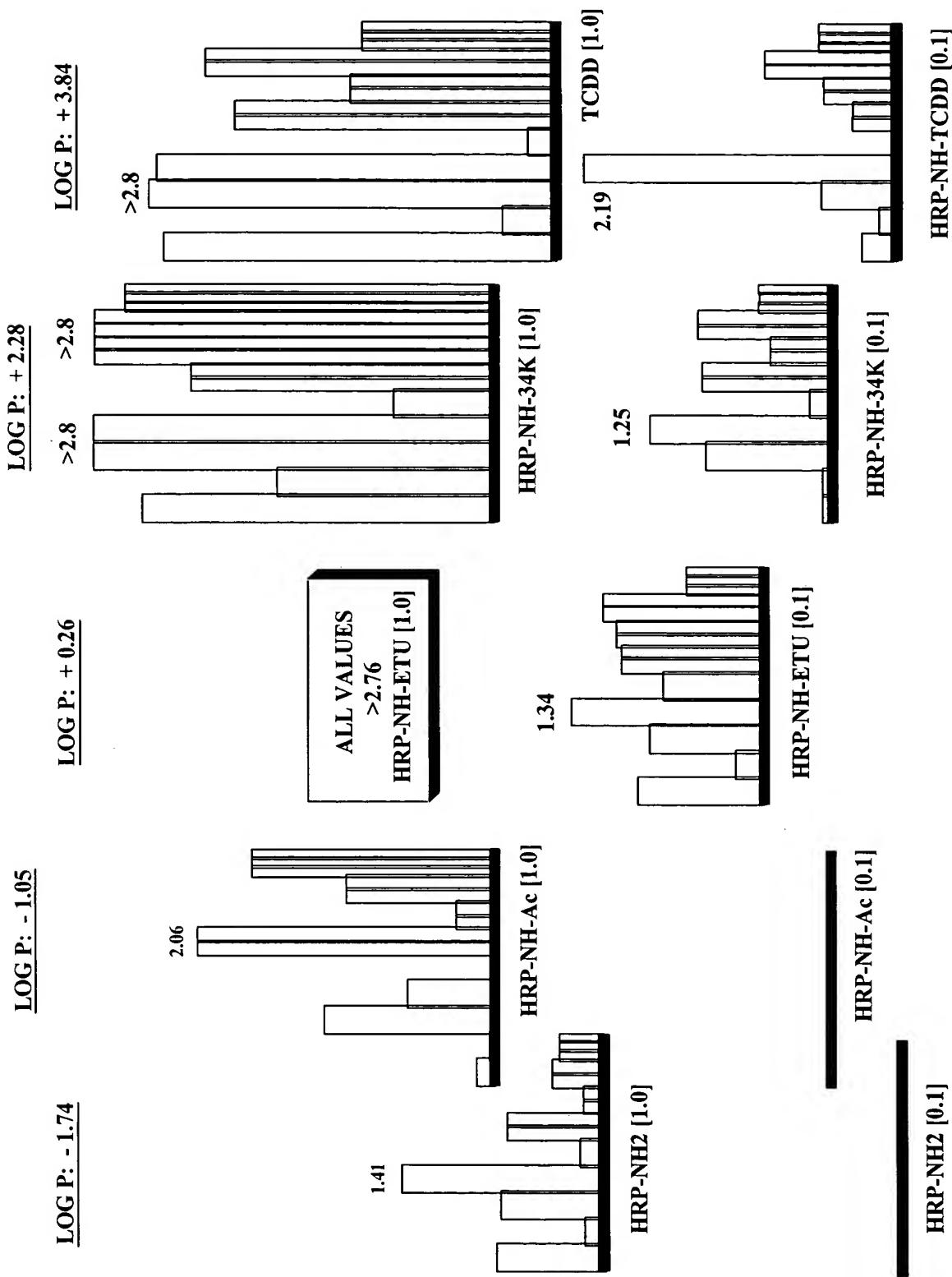


FIG. 20



**FIG.21**

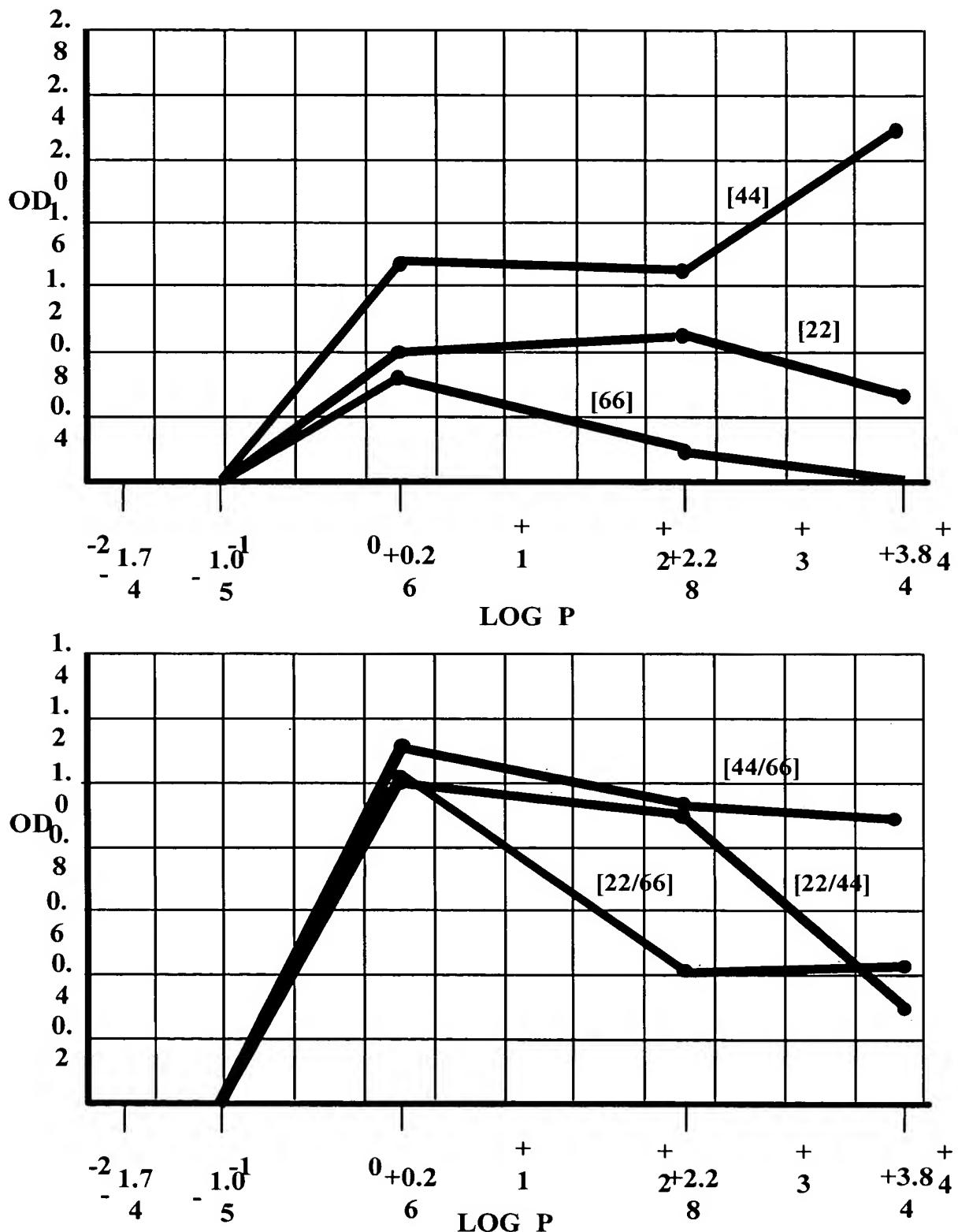


FIG.22

